



Project Fact Sheet



Indian Valley Hospital Geothermal Heating System

GOAL

- To provide geothermal space heating to the Indian Valley Hospital and Clinic in Greenville, Plumas County, California.

PROJECT DESCRIPTION

The geothermal system heats the 38,000 square foot, single-story hospital and a separate clinic building.

A single well, 200 feet deep, provides fluids at 118 degrees F. A 75-foot pipeline brings the water to the hospital, where there is a single heat exchanger and 200 feet of pipe in the hospital attic. The cooled and very clean geothermal fluids are discharged into a nearby creek via a 450-foot drainage system.

In the winter, the flow rate is a maximum of 80 GPM. The system is generally shut down by the end of May and started up in October.

BENEFITS TO CALIFORNIA

It is estimated that the geothermal system results in a 50% saving on the hospital and clinic's electricity costs, which were reduced from approximately \$7000 to \$3500/month.

FUNDING AMOUNT

The system installed in the early and mid-1980's in the hospital and clinic is owned and operated by the Indian Valley Hospital District.

The California Energy Commission provided grant co-funding for drilling the geothermal production well and construction of the heating system.

Awards to the Indian Valley Hospital District	\$517,400
Match funds, Indian Valley Hospital District	<u>33,075</u>
Total	\$550,475

PROJECT STATUS

Completed.

FOR MORE INFORMATION

Elaine Sison-Lebrilla
California Energy Commission
1516 Ninth Street, MS-43
Sacramento, CA 95814-5504
(916) 653-0363
esisonle@energy.state.ca.us

David Dennis
Manager Environmental Service and
Plant Operations
Indian Valley Hospital
(530) 284-7191